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Library Bulletin

A monthly publication of LRC

Issue Include:

- News Corner
- Selected Article
- Current Contents of CAD
- New Books Added
- Current Contents of Journals

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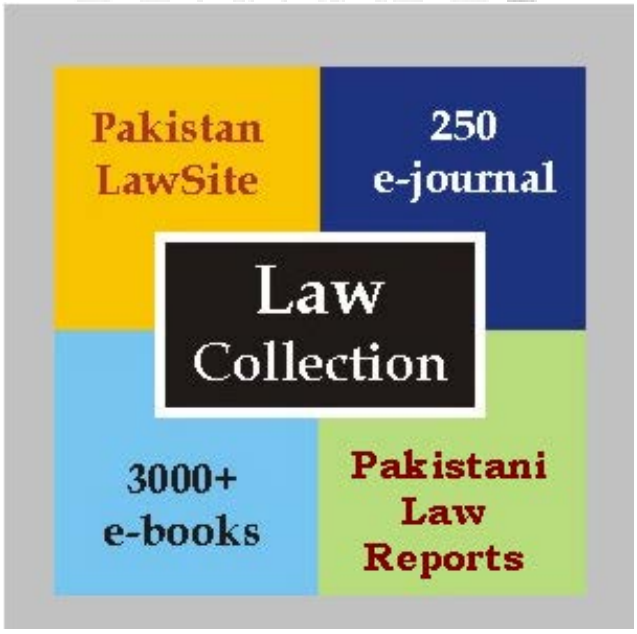
UNIVERSITY OF MANAGEMENT AND TECHNOLOGY
UMT

News Corner

Law Section at UMT library – a valuable initiation

with the aim of supporting the great variety of subjects offered in the curriculum at UMT, the library has established an organized collection of law resources. It is a designated depository for law study that consists of both print and digital contents. It houses complete archives of Pakistani law reports SCMR, PLD, CLC, CLD, and MLD dating back to 1950s. The library also subscribes to the current issues of these serial publications. The number of e-books available is over 3000 whereas 250 law related e-journals are accessible with their fulltexts.

Pakistan LawSite – a one stop resource site for statutes, rules and cases relating to Pakistan is also a key part of this *law collection*. It is one of its kind and houses all the federal and provincial statutes and cases related to these statutes. Taxation, service, copyright, state planning, labour and all kinds of fiscal statutes are covered in this site. Moreover there are more than 1200 essays, writings, and other legal documents available there.



All contents are accessible to UMT community in general and to *School for Law and Policy* in particular. Placed at level 2 of the library this law collection is responsive to contemporary legal education for today's researchers. It is equally supported by our extensive interdisciplinary collections on general interest. Learners may suggest new resources and ways to enhance the portfolio of services for the betterment of the said section.

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Selected Article

Universities sinking by Atta-ur-Rahman

Saturday, July 28, 2012

After a remarkable period of growth and progress during 2003-2008, the Higher Education Commission has been under constant attack and our universities are sinking. The tremendous progress made in Pakistan by the higher education sector in the six-year period between 2003 - 2008 is illustrated by the reviews of the higher education system carried out by European experts as well as experts appointed by USAID on higher education. A review of the higher education system of Pakistan was carried out by Prof Michael Rode, chairman of the United Nations Commission on Science, Technology and Development, and professor at the University of Innsbruck in Austria who visited Pakistan on a number of occasions. He wrote in 2008:

"Around the world when we discuss the status of higher education in different countries, there is unanimity of opinion that the developing country that has made the most rapid progress internationally in recent years is Pakistan. In no other country has the higher education sector seen such spectacular positive developments as that in Pakistan during the last six years. This became possible for three main reasons: 1. The closure of the University Grants Commission (UGC) and the establishment of an autonomous ministerial-level organization operating under the direct control of the prime minister of Pakistan, free from the bureaucratic procedures of the ministry of education. 2. The establishment of a highly competent and representative 18-member commission comprising secretaries of the ministries of education and science and technology, eminent educationists, vice-chancellors of universities and representatives of all provinces. 3. Appointment of Pakistan's leading scientist and educationist Prof Dr Atta-ur-Rahman as the chairman of the Higher Education Commission with the status of a federal minister to provide competent and dynamic leadership to the commission.

"As a result a miracle happened. University enrolment of only 135,000 by the end of the year 2002 was almost tripled in a short period of five years by 2007 and reached 360,000. Research output in internationally recognized and reviewed journals (abstracted by the Institute of Scientific Information, USA) showed a 400 percent increase, rising from about 600 publications per year in 2002 to over 2,400 publications per year in 2007 (note: this has now risen to 6250 by 2011).

"After the formation of the Higher Education Commission, a silent revolution occurred and probably the best digital library in the world was set up in Pakistan which today provides free access to every student in every public-sector university in Pakistan to some 25,000 international journals and 45,000 textbooks and research monographs from 220 international publishers, keyword searchable and downloadable, completely free of charge.

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Such a nationwide access to the latest literature is not even available in Europe or the USA today, and Pakistan demonstrated that given honest, dedicated and dynamic leadership as provided by Prof Dr Atta-ur-Rahman and his eminent colleagues led by Dr Sohail Naqvi, it was possible to achieve the almost impossible. Most universities in Pakistan are today equipped with video-conferencing facilities and lectures are delivered regularly by professors from top universities in Europe, the USA, etc., and listened to by students in Sindh, Balochistan and other provinces in real-time and in a fully interactive manner, so that face-to-face questions can be asked across the world. Pakistan has become the first in the world to introduce a nationwide international lecturing programme."

The USAID team of educationists visited Pakistan a number of times and travelled the length and breadth of the country, talking to teachers, students and administrators in the universities and examining the data critically. I reproduce here some sections of the USAID report published in 2008 that resulted from the year-long review:

"One of the most striking aspects of the HEC since its inception is the emphasis on excellence and high quality in every sphere of its activities. Expectations were set high from the outset. Quality goal targets were set as international standards and expectations. Faculty promotions, publications, PhD dissertations, research grants, and many of the HEC programmes were subject to these standards, including evaluation by external peer reviewers. In addition, standards for admission to PhD programmes were increased in 2003. This was in spite of the need for more graduates to teach the growing number of students. In keeping with its focus on quality, the attitude of the leadership of the HEC was that 'quality is much more important than quantity.'

"What was striking about the HEC was that in spite of the breadth and magnitude of its programs and the extensive changes involved, implementation of all these programs was undertaken with great care to ensure quality improvement. In spite of rapidly increasing budgets, the HEC managed to keep the focus on quality improvement with the goal of meeting international standards in higher education."

The above reviews by leading US and European experts after yearlong assessments prove without a shade of doubt that some critics of HEC policies were completely wrong and biased in their criticisms.

This period of spectacular progress was, alas, short-lived. Very soon after coming into power the new government slashed the budget of the HEC by about 50 percent, thereby stopping most university development projects. It led to the stoppage of the scholarships of the several thousand students, mostly from poor families, who were studying for PhD in top universities in Europe, and they were forced to beg for funds in mosques and on the streets of European cities. This forced me to resign in protest as chairman of the HEC although I had another two years before the expiry of my tenure. The visionary scheme to establish nine foreign engineering universities in Pakistan was abandoned by the government three months before classes were to commence.

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The scheme to establish four law universities that were to be established in the four provinces, with 40 PhDs in law as faculty members in each university, was also shelved as the law minister in his infinite wisdom stated in the cabinet meeting that we had enough law colleges, so law universities with qualified faculties were not needed. All this was done because the HEC had discovered that 51 of our "honourable" parliamentarians had bogus degrees and those of another 250 parliamentarians were suspect as they had refused to provide the documents for verification. Not to be satisfied, and nudged on by these crooked parliamentarians, the government issued a notification on March 31, 2011, shredding the HEC into pieces. I appealed to the Supreme Court against the government notification and the Supreme Court upheld my appeal, declaring the government notification unconstitutional. So the HEC survived.

However, the enmity against the HEC continues. In a more recent notification, No. 4-1/2012 Ref: Min-1, dated June 8, 2012, the government of Pakistan (Cabinet Secretariat, Cabinet Division) has recently placed the Higher Education Commission under the Professional and Training Division. This was done in defiance of the Supreme Court decision that forbade the government from taking any decision that was in violation of the HEC Ordinance. It was also done although the controlling authority of the HEC is directly the prime minister of Pakistan and not any federal ministry. Fortunately, action on this notification has been suspended by the Sindh High Court.

Our universities today are sinking rapidly due to budgetary cuts and political meddling. One sector that had shown dramatic improvements is being destroyed by the enemies of Pakistan.

Will the president and prime minister intervene to assist the sinking HEC?

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Courtesy to The News

Current Contents of CAD

(All articles are hyperlinked, click to read fulltexts)

Agriculture:

Crops:

1. Jameel Ahmad Khan. (2012 July 08). Hydrogen mobility Initiative. *Business Recorder*, p. 16.
2. Nasir Jamal. (2012 July 16). Better cotton' initiative. *Dawn*, p. VI.

Agri-sector:

3. Ahmad Fraz Khan. (2012 July 02). Threat to basmati rice export. *Dawn*, p. I.
4. Altaf Hussain. (2012 July 15). Renewed hope. *The News*, p. II.
5. Muzaffar Qureshi. (2012 July 16). Agro export processing zone. *Dawn*, p. IV.
6. Jameel Ahmad Khan. (2012 July 22). Hydrogen-based post-harvest management. *Business Recorder*, p. 16.

Irrigation:

7. Mohammad Hussain Khan. (2012 July 19). Seeking a fair share of water. *Dawn*, p. 6.

Banking and Finance:

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8. Muhammad Yaqub. (2012 July 02). Appraising the exchange rate policy. *The News*, p. 6.
9. Salim Raza. (2012 July 02). Banks and the public purpose. *Dawn*, p. 7.
10. Muhammad Bashir Chaudhr. (2012 July 02). Stress test of banks. *Dawn*, p. IV.
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12. A B Shahid. (2012 July 24). Downgrade of Risk Ratings. *Business Recorder*, p. 20.

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13. Abdul Jabbar Kasssim. (2012 July 02). Code of Corporate Governance 2012: what does it bring?. *Dawn*, p. VI.
14. Dilawar Hussain. (2012 July 02). Buoyancy of the Karachi stock market. *Dawn*, p. VI.
15. Hina Hafeezullah Ishaq. (2012 July 06). The customer. *Daily Times*, p. A7.

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Economic Planning:

16. Aoun Sahi. (2012 July 15). Late response. *The News*, p. IV.
17. Altaf Hussain. (2012 July 29). Compromising on human development. *The News,* p.III.

Economic Conditions:

18. Haris Zami. (2012 July 02). Investor woes. *The News*, p. II.
19. Jamil Nasir. (2012 July 06). Has the foreign aid worked?. *The News*, p. 6.
20. Tahir Ali. (2012 July 08). KP's neglected economic roadmaps. *The News*, p. 2.
21. Mahmud Ahmed. (2012 July 16). Income inequality and recession. *Dawn*, p. V.
22. Noor Fatima. (2012 July 22). What model of growth?. *The News* , p. II.
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25. Sakib Sherani. (2012 July 27). Investment environment. *Dawn*, p. 7.
26. Andleeb Abbas. (2012 July 30). Bills?. *Daily Times*, p. A7.

Socio Economic Development:

27. Khaleeq Kiani. (2012 July 02). Addressing urban, rural income gap. *Dawn*, p. I.
28. Afshan Subohi. (2012 July 16). Putting people to work. *Dawn*, p. I.
29. Asif Saeed Memon. (2012 July 29). The disappearing poor. *Dawn*, p. 7.

Trade:

30. Mubarak Zeb Khan. (2012 July 02). Failure of trade policy framework. *Dawn*, p. V.
31. Khurram Husain. (2012 July 26). Our overland trade links. *Dawn*, p. 7.

Labor & Related:

32. Nosheen Naz. (2012 July 22). Bridging the unemployment gap. *The News*, p. II.

Taxation & Zakat:

33. Syed Asad Hussain and Hadiqa Baig. (2012 July 02). Changing labour market dynamics. *The News*, p. III.
34. Jamil Nasir. (2012 July 05). The whys of low tax revenue. *The News*, p. 6.

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35. Huzaima Bukhari and Ikramul Haq. (2012 July 06). Improving voluntary tax compliance – I. *The News*, p. 20.
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41. Shahid Kardar. (2012 July 26). Customs duties' structure. *The News* , p. 6.

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42. Aoun Sahi. (2012 July 01). Public agony. *The News*, p. 29.
43. Asif Saeed Memon. (2012 July 03). Taming the HEC. *Dawn*, p. A6.
44. Asna Ali. (2012 July 03). The plagiarism business. *The News*, p. 6.
45. Zafar Altaf. (2012 July 21). The sorry state of teaching. *Business Recorder*, p. 20.
46. Inayatullah. (2012 July 21). Right to education legislation. *The Nation*, p. 6.
47. F.S.Aijazuddin. (2012 July 26). The portal to heaven. *Dawn*, p. 6.
48. Muhammad Ali. (2012 July 27). Faith-based education. *Dawn*, p. 6.
49. Atta-ur-Rahman. (2012 July 28). Universities sinking. *The News*, p. 6.

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50. Hussain Ahmad Siddiqui. (2012 July 29). Industrial sector. *Business Recorder*, p. 16.

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51. Faisal Bari. (2012 July 06). The housing sector. *Dawn*, p. 7.
52. Syed Asad Hussain. (2012 July 09). Peaks and troughs in the construction industry. *The News*, p. III.
53. Ashfak Bokhari. (2012 July 16). Will land record computerization end corruption?. *Dawn*, p. VI.

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54. Jameel Ahmad Khan. (2012 July 02). Solar hydrogen for Pakistan. *Business Recorder*, p. 16.
55. Akhtar Ali. (2012 July 04). Rental power: What went wrong?. *Business Recorder*, p. 20.
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58. Sahib Khan. (2012 July 16). Resistance to power sector reforms. *Dawn*, p. IV.
59. Shahid Javed Burki. (2012 July 16). Flawed natural gas policy. *Dawn*, p. V.
60. Shahzada Irfan Ahmed. (2012 July 22). Fuel for thought. *The News*, p. I.

Foods and Allied:

61. Mohiuddin Aazim. (2012 July 02). Dynamics of food trade. *Dawn*, p. VI.

SME's:

62. Mansoor Raza and Moaiz Siddiqui. (2012 July 02). Beyond statistics. *The News*, p. II.
63. Tahir Ali. (2012 July 02). Tussle over tobacco pricing. *Dawn*, p. III.

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64. Asghar Ali. (2012 July 06). Rigidity of ulema. *Dawn*, p. 6.
65. Syed Haider Riza. (2012 July 13). Evolution of human society. *Dawn*, p. 6.
66. Samson Simon Sharaf. (2012 July 13). The Islamic welfare state. *The Nation*, p. 7.
67. Shamshad *Ahmad*. (2012 July 25). Muslim world in crisis. *The News,* p. 7.

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68. Praful Bidwai. (2012 July 02). India's presidential contest. *The News*, p. 7.
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73. Beenish Javed and Nasir Ahmad Waqif. (2012 July 10). Pakistan being misunderstood. *Daily Times*, p. A7.
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76. Rashid Ahmad Khan. (2012 July 14). NATO supplies: can the jihadis stop them?. *Daily Times*,

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77. Raza Khan. (2012 July 15). TAPI: It's getting real. *The News, p.* IV.
78. Parvaiz Ishfaq Rana. (2012 July 16). NATO supplies put under stringent clearing system. *Dawn,* p .IV.
79. Didier Chaudet. (2012 July 20). Realism, not ideology. *The News*, p. 6.
80. A.G Noorani. (2012 July 21). Illegality of drones. *Dawn*, p. 7.

Judiciary and Government:

81. Muhammad Ahsan Yatu. (2012 July 03). A prism to the NRO judgment. *Daily Times*, p. A6.
82. Nauman Asghar. (2012 July 05). On dual nationality. *The News*, p. 6.
83. Faisal Siddiqi. (2012 July 08). Misguided criticism. *Business Recorder*, p. 6.
84. Muhammad Ahsan Yatu. (2012 July 2012). Morality, equality and judiciary's 'tribalisation'. *Daily Times*, p. A7.
85. Chaudhry Faisal Hussain. (2012 July 15). President's dual office. *Dawn*, p. 8.
86. Anjum Ibrahim. (2012 July 16). Higher judiciary versus the executive. *Business Recorder*, p. 16.
87. Farooq Hassan. (2012 July 31). Contempt of Court Law 2012. *The Nation*, p. 7.

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Child and Youth:

88. Andleeb Abbas. (2012 July 03). The young and the miserable. *Daily Times*, p. A7.
89. Raza Rumi. (2012 July 16). Reading the young mind. *The News*, p. I.

Environment:

90. Waqar Gillani. (2012 July 01). Going down, dangerously. *The News*, p. I.
91. Mahmood A. Khwaja. (2012 July 01). Industrial atmospherics. *The News*, p. II.

Law & Order:

92. Mobeen Azhar. (2012 July 06). Shades of bigotry. *Dawn*, p. 7.
93. Huzaima Bukhari and Ikramul Haq. (2012 July 27). Unearthing and retrieving hidden assets. *Business Recorder*, p. 20.
94. Abdul Khalique Shaikh. (2012 July 27). The challenge of policing Karachi. *Dawn*, p. 7.

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95. Zubeida Mustafa. (2012 July 04). Catalysts for change. *Dawn,* p. 6.
96. Bina Shah. (2012 July 20). Limits of the social media. *Dawn*, p. 7.

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97. S.H. Zaidi. (2012 July 02). The middle class in contemporary society. *Dawn*, p. IV.
98. Asha'ar Rehman. (2012 July 03). Mission old, doctors young. *Dawn*, p. 7.
99. Narmeen A Hamid. (2012 July 04). In defence of young doctors. *The* News, p. 6.
100. Syed Kamran Hashmi. (2012 July 06). Doctors on strike: a physician's perspective. *Daily Times*, p. A7.
101. Irfan Mufti. (2012 July 08). A demographic surprise. *The News*, p. I.
102. Narmeen A Hamid. (2012 July 08). Shock and awe. *The News*, p. I.
103. Farahnaz Zahidi Moazzam. (2012 July 08). Taking family planning religiously. *The News*, p. II.
104. Mohammad Javed Pasha. (2012 July 08). Build a consensus on census. *The News*, p. III.
105. Mir Moatasim. (2012 July 13). For young doctors. *The News*, p. 6.
106. Burial of the living Rafia Zakaria July 18, 2012 Dawn P # 7
107. Aasim Sajjad Akhtar. (2012 July 27). The age of civil society. *Dawn*, p. 7.

Social Enterprises:

108. Transparency of NGOs Asif Ezdi july 30 2012 the News P7

Politics:

109. I.A Rehman. (2012 July 05). Not by code alone. *Dawn*, p. 7.
110. Barkat Shah Kakar. (2012 July 09). The restoration of Pashtun province in Balochistan. *Daily Times*, p. A7.
111. Azizullah Khan. (2012 July 10). Integrate FATA. *Daily Times*, p. A6.
112. Muhammad Amir Rana. (2012 July 15). Assessing capabilities. *Dawn*, p. 9.
113. Huma Yusuf. (2012 July 16). Religion in politics. *Dawn*, p. 6.
114. Umair Javed. (2012 July 24). Municipalisation' of politics. *Dawn*, p. 6.
115. Zahid Hussain. (2012 July 24). Dynastic politics. *Dawn*, p. 7.
116. Zahid Hussain Borhani. (2012 July 24). Our NA: 90 percent unrepresentative. *Daily Times*, p. A7.
117. Ayaz Wazir. (2012 July 25). Fata: the real picture. *The News*, p. 6.

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118. I.A Rehman. (2012 July 26). Of representative rule. *Dawn*, p. 7.
119. Future of parliamentary democracy and constitutionalism — I Anees Iqbal July 31, 2012 Daily Times P # A7

Local Government:

120. Noman Ahmed. (2012 July 29). Guide to local government. *The News*, p. III.

General:

121. Farrukh Saleem. (2012 July 01). Emergencies. *The News*, p. 6.
122. Adeela Naureen and Umar Waqar. (2012 July 03). Big men, small character. *The Nation*, p. 7.
123. Ajaz Ashraf. (2012 July 13). How we view Pakistan and its people. *Daily Times*, p. A6.
124. Atta-ur-Rahman and STK Naim. (2012 July 14). Brain drain or brain gain?. *The News*, p. 6.
125. Jameel Ahmad Khan. (2012 July 15). Technology management. *Business Recorder*, p. 16.
126. Syed Bakhtiyar Kazmi. (2012 July 15). Projecting Pakistan. *Daily Times*, p. A7.
127. Asha'ar Rehman. (2012 July 17). The system is changing. *Dawn*, p. 7.
128. Moeed Yusuf. (2012 July 30). Room for optimism. *Dawn*, p. 7.

New Books Added

Architecture:

1. Modern architecture: a critical history / by Frampton
London: Thames & Hudson Ltd, c2007
724. 6 FRA –M
2. Wonders of world architecture / edited by Parkyn
London: Thames & Hudson Ltd, c2009
720- WON-
3. Louis I kahn / by McCarter
New York: Phaidon Press, c2005
720.92 MCC-L
4. A history of architecture, 20th ed. / edited by Cruickshank
New Delhi: CBS Publishers & Distributors PVT Ltd, c1996
720.9 FLE-B
5. Time-saver standards for landscape architecture, 2nd ed. / by Harris & Dines
New York: McGraw Hill Publishing Company, c1998
712 TIM
6. Time-saver standards for housing and residential development, 2nd ed. / by Chira, Panero & Zelnik
New Delhi: Tata McGraw Hill Education PVT Ltd, c1995
711.58 TIM
7. Plans and details for contemporary architects: building with colour / edited by Leonardi
London: Thames & Hudson Ltd, c2011
724.7 PLA
8. Islamic architecture / by Hillenbrand
Edinburgh: Edinburgh University Press, c2000
726.20902 HIL- I
9. Engineering architecture / by Yasmin
New York: W.W. Norton & Company, c2004
720.92 YAS- E
10. The history of architecture / edited by Ghosh
New Delhi: Arise Publishers & Distributers, c2010
720.9 HIS-
11. Climate responsive architecture: a design handbook for energy efficient buildings / edited by Krishan. [et. al]
New Delhi: Tata McGraw Hill Publishing Company Ltd, c2001
720. 472 CLI-
12. Architecture form, space, and order / by Ching
Hoboken: John Wiley & Sons, c2007
720.1 CHI-A
13. Microcontrollers: architecture, programming, interfacing and system design, 2nd ed./ by Rajkamal
New Delhi: Pearson, c2012
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Computer science & Computer engineering:

14. Flexible web design: creating liquid and elastic layouts with CSS / by Gillenwater
New Delhi: PHI Learning, c2011
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15. Introduction to artificial intelligence / by Charniak & McDermott
New Delhi: Pearson Education, c1985
006.3 CHA- I

16. Cyber security: understanding cyber crimes, computer forensics and legal perspectives / by Godbole & Belapure
New Delhi: Wiley India, c2011
005. 8 GOD – C

17. Artificial Intelligence. 3rd ed. / by Winston
New Delhi: Pearson Education, c1992
006.3 WIN – A

18. Computer graphics, 3rd ed. / by Xiang & Plastock
New Delhi: Tata McGraw Hill, c2006
006. 6 XIA – C

19. C how to program, 6th ed. / by Deitel & Deitel
New Delhi: PHI Learning, c2010
005.133 DEI- C

20. Computer system design: system-on-chip / by Flynn & Luk
Hoboken: John Wiley & Sons, c2011
004.1 FLY- C

21. Digital fundamentals, 10th ed. / by Floyd
Noida: Pearson education, c2011
621.395 FLO-D

22. Computer based industrial control, 2nd ed. / by Kant
New Delhi: PHI Learning, c2010
670.4275 KAN-C

23. Digital signal processors: architecture, programming and applications / by Pallavi & Rao
New Delhi: Pearson Education, c2012
621.3822 PAL-D

24. Signal processing: principles and implementation / by Narasimhan & Veena
New Delhi: Narosa Publishing House, c2005
621.3822 NAR-S

25. Iphone for programmers: an app-driven approach / by Deitel .[et .al].
New Delhi: Pearson Education, c2012
005.26 IPH-

26. Fuzzy logic: with engineering applications, 3rd ed. / by Ross
New Delhi: Wiley India, c2010
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27. Discrete structures, logic, and computability, 3rd ed. / by Hein
New Delhi: Jones & Bartlett, c2010
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28. Problem solving and program design in C / by Hanly & Koffman
New Delhi: Pearson Education, c2007
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29. Microsoft project 2010: step by step / by Chatfield & Johnson
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30. Foundations of software testing / by Mathur
New Delhi: Pearson Education, c2012
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31. Java illuminated: an active learning approach, 3rd ed. / by Anderson & Franceschi
London: Jones & Bartlett Learning, c2012
005.133 AND- J

32. Multicore application programming: for windows, linux, and oracle Solaris / by Gove
New Delhi: Pearson Education, c2011
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33. Signals and systems /by Rajeswari & Rao
New Delhi: PHI Learning, c2009
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34. Microsoft access 2010 VBA programming inside out / by Couch
New Delhi: PHI Learning, c2012
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35. Distributed and cloud computing: from parallel processing to the internet of things / by Hwang, Fox & Dongarra
Waltham: Elsevier, c2012
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36. Thinking in C ++: volume 2 practical programming / by Eckel & Allison
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37. Verilog HDL: a guide to digital design and synthesis IEEE 1364-2001 compliant, 2nd ed. / by Palnitkar
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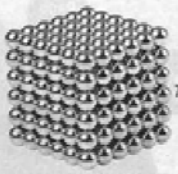

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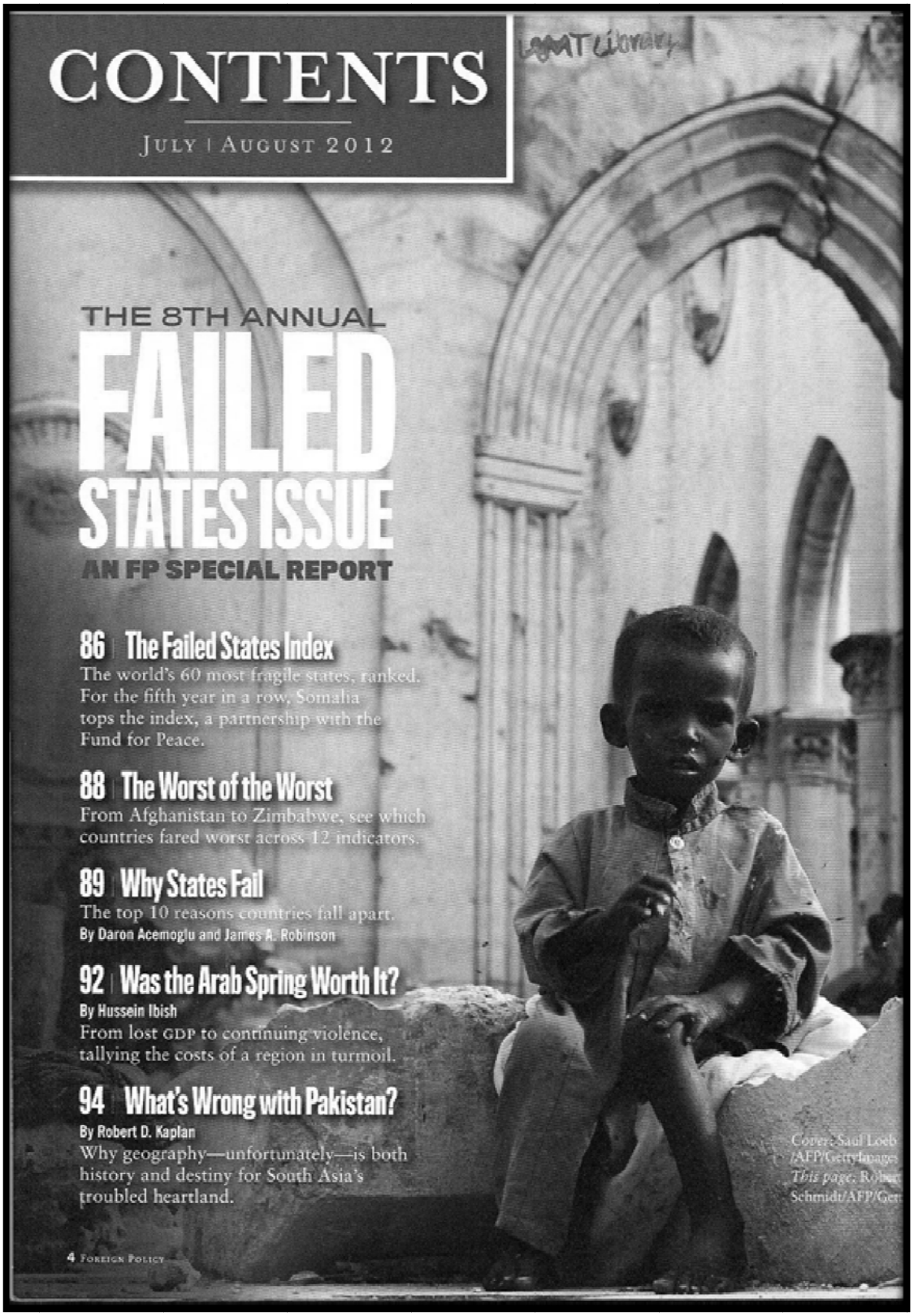

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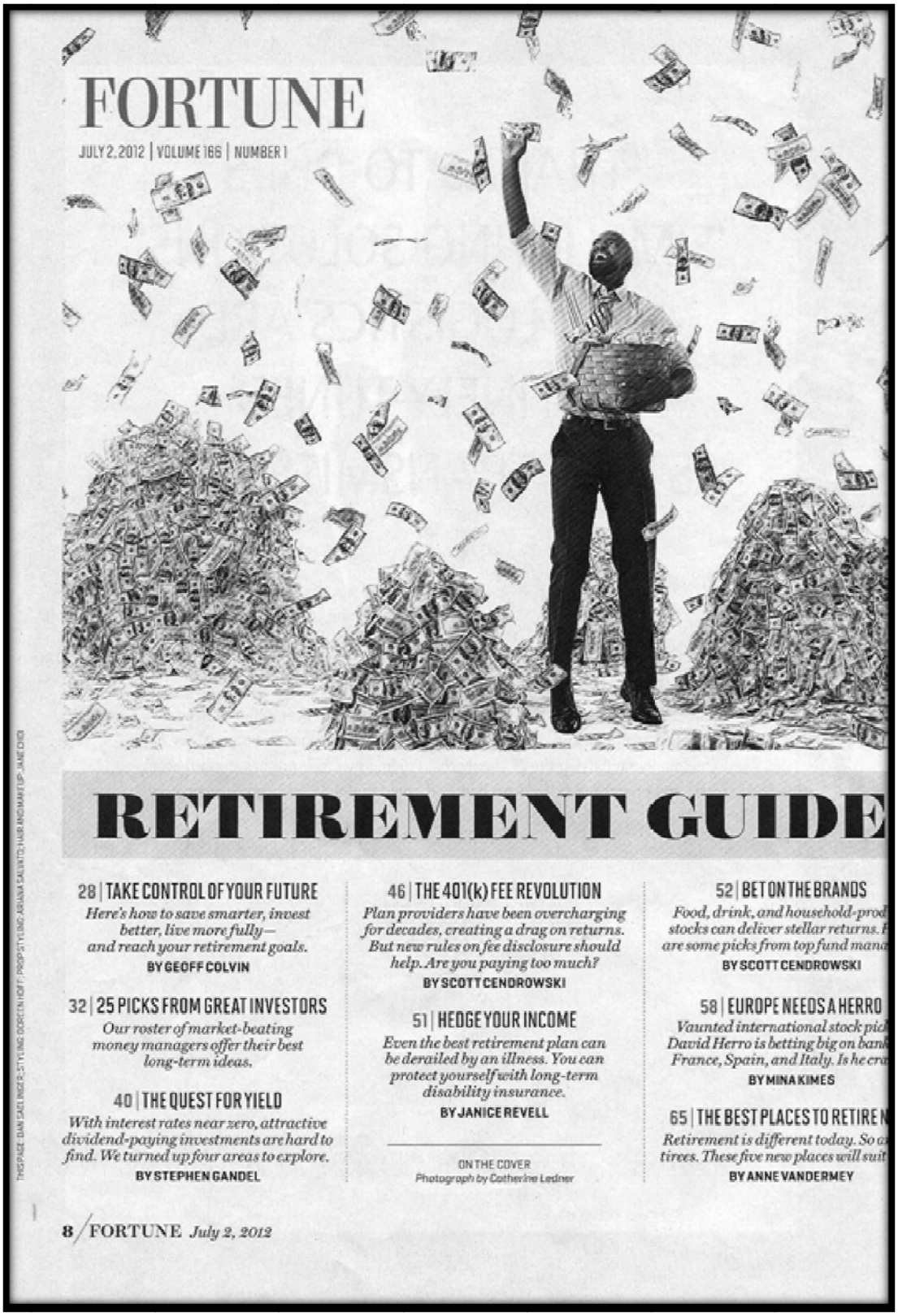

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To avoid the risk of a bank run, European leaders must act fast.

CORRECTIONS AND CLARIFICATIONS
In "The Best Places to Retire Now" (July 2), we incorrectly referred to Cuenca, Ecuador, as a coastal city. It is in the Andes. And in "Bet on the Brands" (July 2), we wrote that Nestlé's brands include Cheerios and Häagen-Dazs ice cream. In fact, Nestlé sells Cheerios outside the U.S. as part of a joint venture with General Mills, but General Mills owns the brand. In the case of Häagen-Dazs, Nestlé sells the ice cream in the U.S. and Canada but licenses the brand from General Mills.

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If the eurozone splinters, it will have been an avoidable disaster. After all, the European Central Bank has already gone to great lengths to shore up the continent's financial system. Now, the choice lies with Germany, which can save the monetary union if it allows for policies aimed at debt relief and growth, not just slashing deficits.

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Fifty years ago, the Cuban missile crisis brought the world to the brink of nuclear disaster. Every president since John F. Kennedy has tried to learn from what happened back then. Today, it can help U.S. policymakers understand what to do—and what not to do—about Iran, North Korea, China, and presidential decision-making in general.

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The Right Way Out of Afghanistan
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As the United States prepares to exit Afghanistan, it is focusing too much on security, overlooking the political elements of the transition, write two former senior U.S. officials. To leave behind a stable government in 2014, Washington needs to push harder for electoral reforms, negotiations with the Taliban, and a regional settlement involving Pakistan.

Obama's New Global Posture
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Tough economic times are often met in Washington with calls for retrenchment. But for decades, write two former top Pentagon officials, long-term forward deployments of U.S. forces and robust alliances have guaranteed stability and uninterrupted trade, the very conditions the United States needs for economic prosperity. The Obama administration gets it.

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Just a few years ago, India seemed on the brink of becoming the world's next great power. Today, its future appears less certain. Although some have blamed the global economic recession, the real problem is domestic—namely, the centralized, secretive, and arbitrary political culture that pervades New Delhi.

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How to Succeed in Business *Alexander Benard* 91

Unlike other economic powerhouses, the United States does little to help its own companies win business abroad, and that timidity has allowed China to devour market share in emerging economies. It is time for Washington to shed its hang-ups about lobbying on behalf of American firms and start taking commercial diplomacy seriously.

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As the global financial sector has swelled, the gap between the rich and the poor has grown. Three new books—by James Galbraith, Robert Shiller, and Charles Ferguson—come down differently on how much banks are to blame for inequality and what the government should do about it. Pushing for more accountability would be a good place to start.

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With Vladimir Putin back in power in Russia, understanding him is more important than ever. Two recent books attempt to unravel the mystery, adding new insight into the Russian leader's life and rule. But by trying to comprehend Putin through his personal history, they miss the true heart of the story: the state he built.

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Is culture to blame for the fact that only six of the 16 countries of East and Southeast Asia are functioning democracies? No, argues a new book, which aims to settle the long-running debate over democracy and "Asian values" by separating myths from facts and assumptions from evidence.

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Democratic revolutionaries always confront the same problem: how to replace the old order without replicating its flaws. The French revolutionary Maximilien Robespierre's failure to resolve that dilemma led to his own demise on the guillotine. But a new biography reveals that today's radicals might learn from Robespierre's mistakes.

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Given the threats it faces, from nuclear-armed autocracies to terrorists, the United States cannot afford to scale back its military, argues Paul Miller. Micah Zenko and Michael Cohen reply that the danger of these challenges is vastly exaggerated and that an overly militarized foreign policy has not made the country safer.

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How Busted Is Brazil? *Shannon O'Neil; Richard Lapper; Larry Rohter; Ronaldo Lemos; Ruchir Sharma* 159
Brazil's rise never depended on the sale of commodities, and thanks to recent reforms, the country will continue to prosper, write Shannon O'Neil, Richard Lapper, and Larry Rohter. Ronaldo Lemos, meanwhile, claims that those reforms have not gone far enough. Ruchir Sharma responds that Brazil is indeed headed for trouble.

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The articles in Foreign Affairs *do not represent any consensus of beliefs. We do not expect that readers will sympathize with all the sentiments they find here, for some of our writers will flatly disagree with others, but we hold that while keeping clear of mere vagaries,* Foreign Affairs *can do more to inform American public opinion by a broad hospitality to divergent ideas than it can by identifying itself with one school. We do not accept responsibility for the views expressed in any article, signed or unsigned, that appears in these pages. What we do accept is the responsibility for giving them a chance to appear.* THE EDITORS

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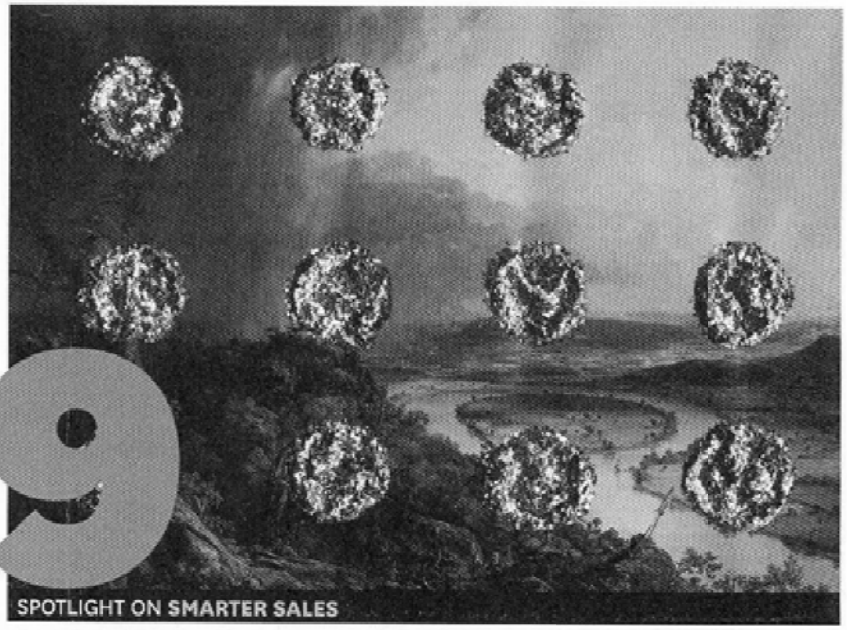

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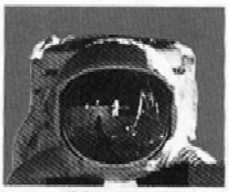

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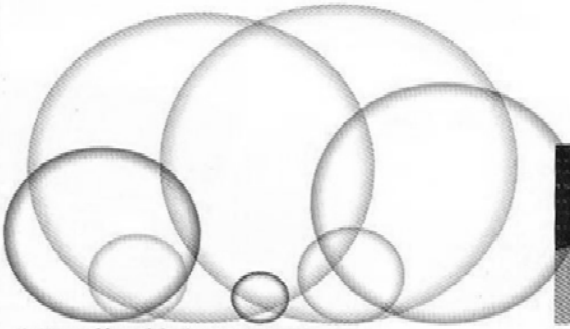

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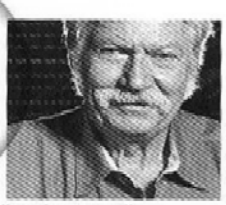

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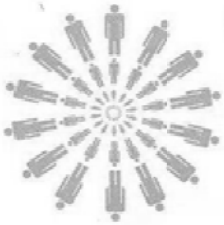

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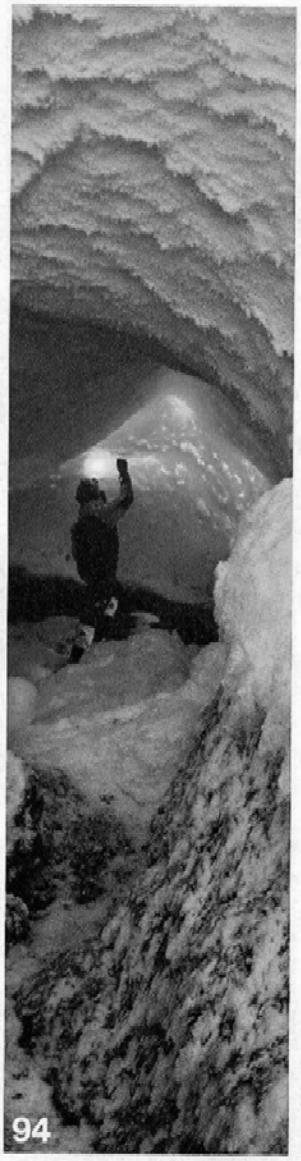

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Scientific American

July 2012

SCIENTIFIC AMERICAN

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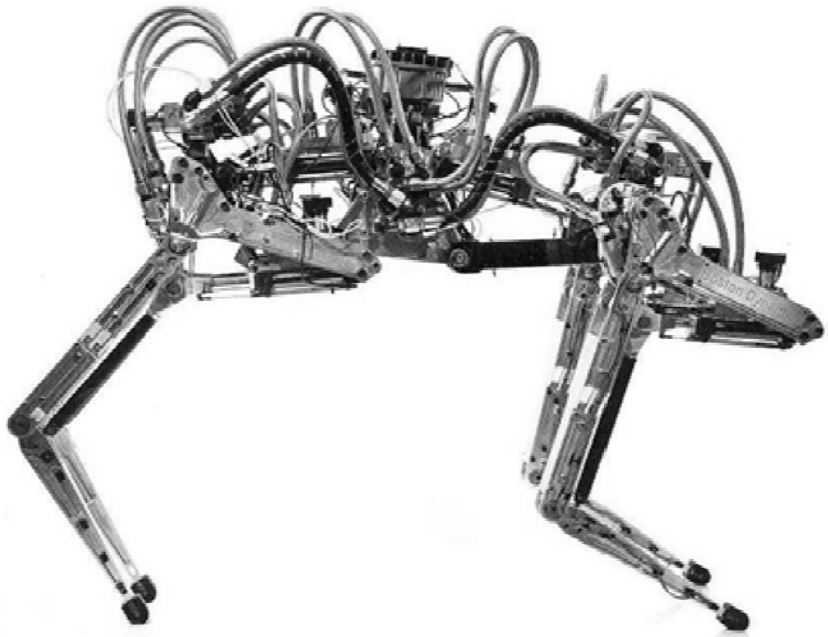
ON THE COVER

Although competition is typically viewed as the driving force of evolution, it did not act alone. Cooperation, too, has profoundly shaped the evolution of life on earth—from single-celled organisms to insects and humans. We *Homo sapiens* are especially cooperative, thanks to our peerless ability to communicate using language. Photograph by Stephen Wilkes.



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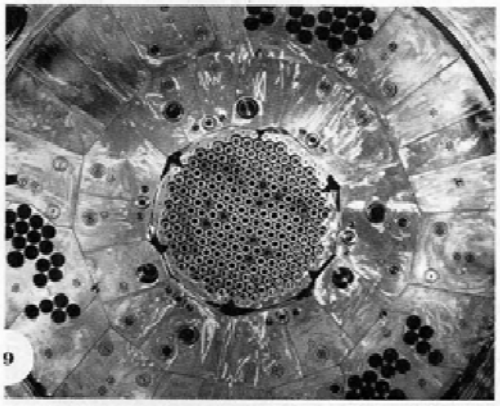

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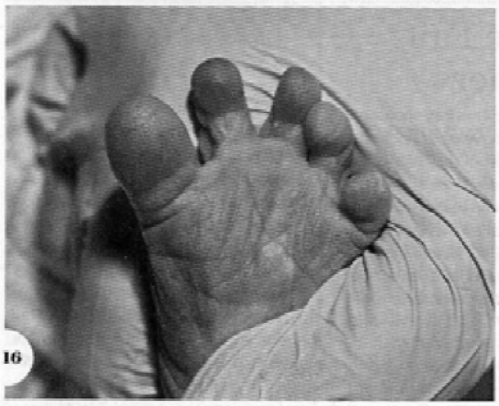

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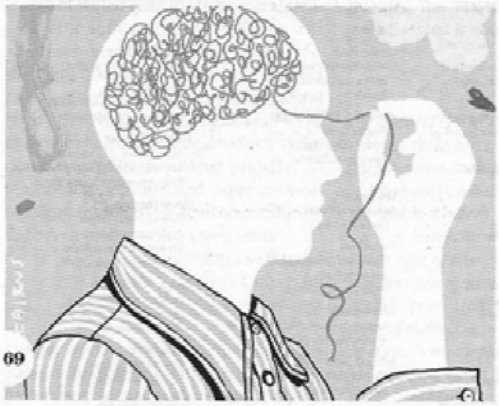

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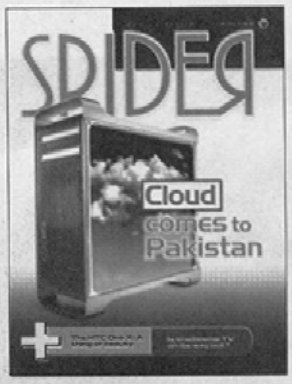

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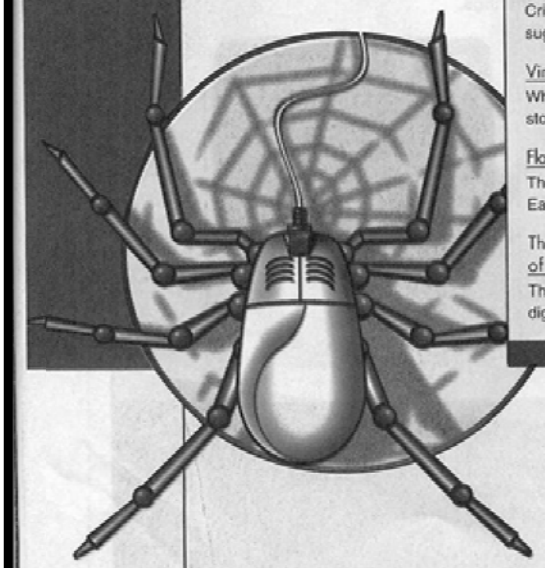

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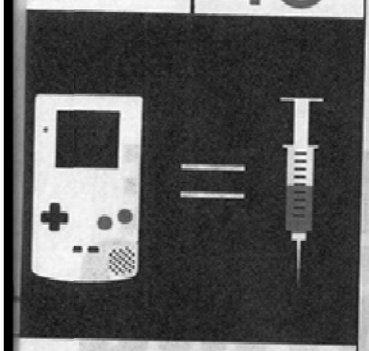

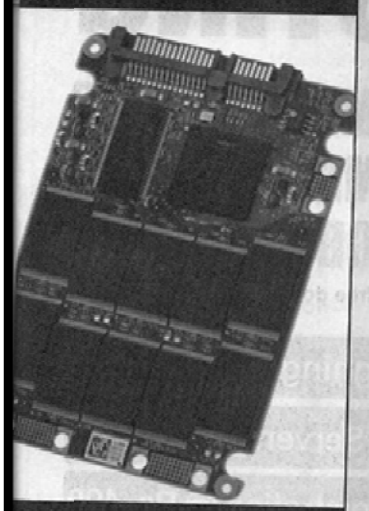

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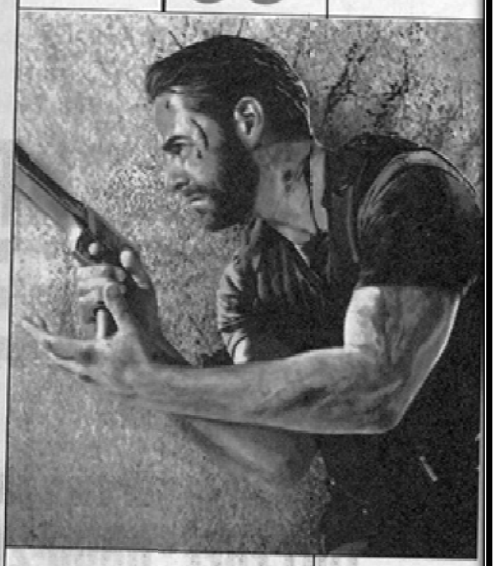

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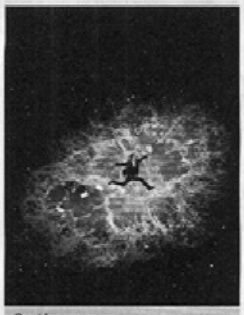

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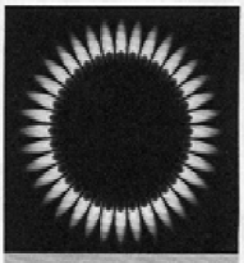

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We publish a special report on gas. New sources of gas could transform the world's energy markets, says Simon Wright—but it won't be quick or easy

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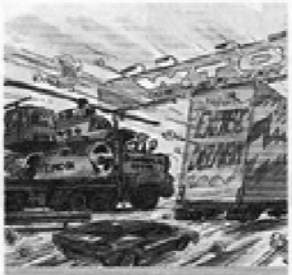

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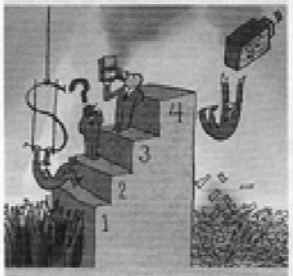

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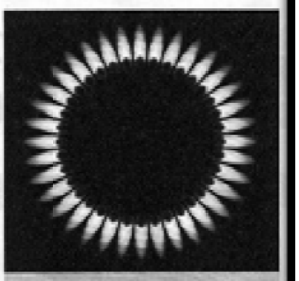

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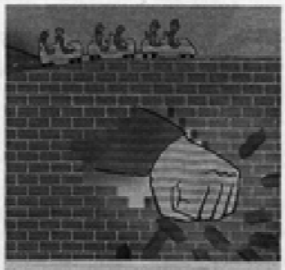

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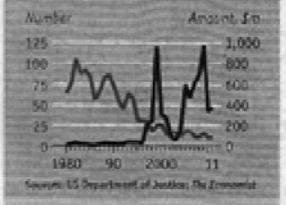

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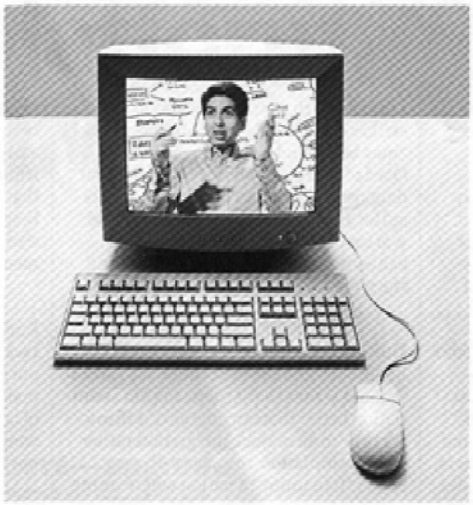

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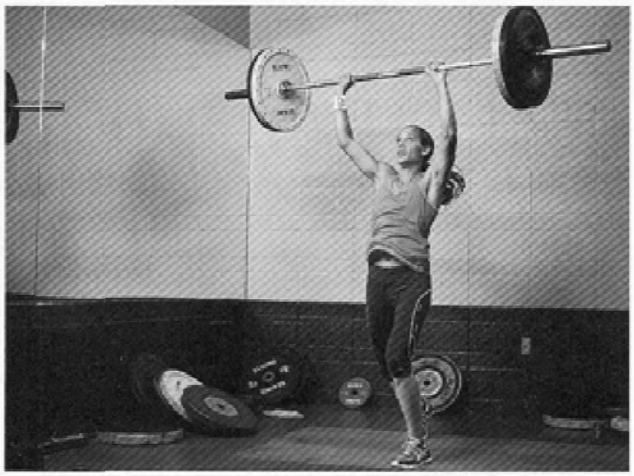

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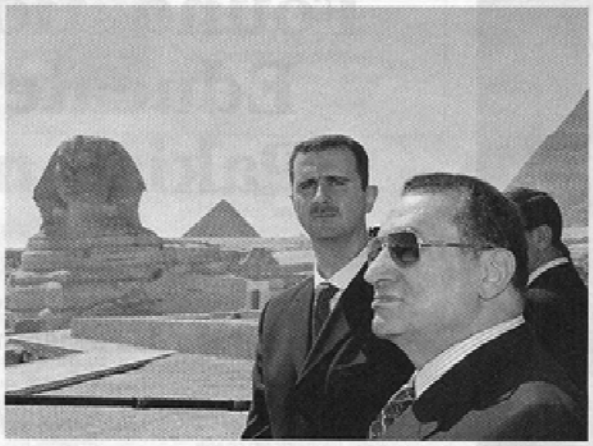

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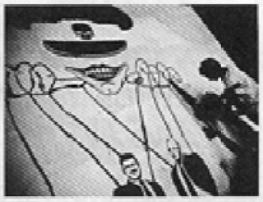

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